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RAW SEQUENCE LISTING   DATE: 11/13/2001
PATENT APPLICATION: US/09/943,215   TIME: 15:34:35

Input Set : N:\Crf3\RULE60\09943215.txt
Output Set: N:\CRF3\11132001\I943215.raw

SEQUENCE LISTING

ENTERED

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 4  (1) GENERAL INFORMATION:
 6       (i) APPLICANT: Pang, Sheng-Zhi
 7                      Gonsalves, Dennis
 8                      Jan, Fuh-Jyh
10      (ii) TITLE OF INVENTION: DNA CONSTRUCT TO CONFER MULTIPLE TRAITS
11                               ON PLANTS
13     (iii) NUMBER OF SEQUENCES: 18
15      (iv) CORRESPONDENCE ADDRESS:
16           (A) ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
17           (B) STREET: Clinton Square, P.O. Box 1051
18           (C) CITY: Rochester
19           (D) STATE: New York
20           (E) COUNTRY: U.S.A.
21           (F) ZIP: 14603
23       (v) COMPUTER READABLE FORM:
24           (A) MEDIUM TYPE: Floppy disk
25           (B) COMPUTER: IBM PC compatible
26           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27           (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
29      (vi) CURRENT APPLICATION DATA:
C-->30           (A) APPLICATION NUMBER: US/09/943,215
C-->31           (B) FILING DATE: 30-Aug-2001
32           (C) CLASSIFICATION:
38     (vii) PRIOR APPLICATION DATA:
35           (A) APPLICATION NUMBER: 09/025,635
36           (B) FILING DATE: 1998-02-18
39           (A) APPLICATION NUMBER: US 60/062,870
40           (B) FILING DATE: 21-OCT-1997
42    (viii) ATTORNEY/AGENT INFORMATION:
43           (A) NAME: Goldman, Michael L.
44           (B) REGISTRATION NUMBER: 30,727
45           (C) REFERENCE/DOCKET NUMBER: 19603/1552
47      (ix) TELECOMMUNICATION INFORMATION:
48           (A) TELEPHONE: (716) 263-1304
49           (B) TELEFAX: (716) 263-1600
52  (2) INFORMATION FOR SEQ ID NO: 1:
54       (i) SEQUENCE CHARACTERISTICS:
55           (A) LENGTH: 46 base pairs
56           (B) TYPE: nucleic acid
57           (C) STRANDEDNESS: single
58           (D) TOPOLOGY: linear
60      (ii) MOLECULE TYPE: cDNA
65      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
67 AGCTAATCTA GAACCATGGA TGACTCACTA AGGAAAGCAT TGTTGC                    46
69  (2) INFORMATION FOR SEQ ID NO: 2:
71       (i) SEQUENCE CHARACTERISTICS:
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72              (A) LENGTH: 38 base pairs
73              (B) TYPE: nucleic acid
74              (C) STRANDEDNESS: single
75              (D) TOPOLOGY: linear
77          (ii) MOLECULE TYPE: cDNA
82          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
84 TACAGTTCTA GAACCATGGT CTGGAAAACC TTGACCAG                    38
86 (2) INFORMATION FOR SEQ ID NO: 3:
88          (i) SEQUENCE CHARACTERISTICS:
89              (A) LENGTH: 41 base pairs
90              (B) TYPE: nucleic acid
91              (C) STRANDEDNESS: single
92              (D) TOPOLOGY: linear
94          (ii) MOLECULE TYPE: cDNA
99          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
101 TACAGTTCTA GAACCATGGT AAAGCGATTT TACTTTTGGT A             41
103 (2) INFORMATION FOR SEQ ID NO: 4:
105          (i) SEQUENCE CHARACTERISTICS:
106              (A) LENGTH: 49 base pairs
107              (B) TYPE: nucleic acid
108              (C) STRANDEDNESS: single
109              (D) TOPOLOGY: linear
111          (ii) MOLECULE TYPE: cDNA
116          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
118 AGATTCTCTA GACCATGGTG ACTTGATGAG CAAAGTCTGT GAGGCTTGC       49
120 (2) INFORMATION FOR SEQ ID NO: 5:
122          (i) SEQUENCE CHARACTERISTICS:
123              (A) LENGTH: 38 base pairs
124              (B) TYPE: nucleic acid
125              (C) STRANDEDNESS: single
126              (D) TOPOLOGY: linear
128          (ii) MOLECULE TYPE: cDNA
133          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
135 TACAGTTCTA GAACCATGGA AAATACAAGG ATCTCGGG                  38
137 (2) INFORMATION FOR SEQ ID NO: 6:
139          (i) SEQUENCE CHARACTERISTICS:
140              (A) LENGTH: 41 base pairs
141              (B) TYPE: nucleic acid
142              (C) STRANDEDNESS: single
143              (D) TOPOLOGY: linear
145          (ii) MOLECULE TYPE: cDNA
150          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
152 TACAGTTCTA GAACCATGGT AGAAGGGGAA AGAGTATGCT G             41
154 (2) INFORMATION FOR SEQ ID NO: 7:
156          (i) SEQUENCE CHARACTERISTICS:
157              (A) LENGTH: 36 base pairs
158              (B) TYPE: nucleic acid
159              (C) STRANDEDNESS: single
160              (D) TOPOLOGY: linear
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162     (ii) MOLECULE TYPE: cDNA
167     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
169 AGCATTGGAT CCATGGTTAA CACACTAAGC AAGCAC                    36
171 (2) INFORMATION FOR SEQ ID NO: 8:
173     (i) SEQUENCE CHARACTERISTICS:
174         (A) LENGTH: 36 base pairs
175         (B) TYPE: nucleic acid
176         (C) STRANDEDNESS: single
177         (D) TOPOLOGY: linear
179     (ii) MOLECULE TYPE: cDNA
184     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
186 TCTTGAGGAT CCATGGCTGA TCTTCATTCA TTTCAA                    36
188 (2) INFORMATION FOR SEQ ID NO: 9:
190     (i) SEQUENCE CHARACTERISTICS:
191         (A) LENGTH: 36 base pairs
192         (B) TYPE: nucleic acid
193         (C) STRANDEDNESS: single
194         (D) TOPOLOGY: linear
196     (ii) MOLECULE TYPE: cDNA
201     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
203 TCTTGAGGAT CCATGGATCC TGATATATAG CCAAGA                    36
205 (2) INFORMATION FOR SEQ ID NO: 10:
207     (i) SEQUENCE CHARACTERISTICS:
208         (A) LENGTH: 39 base pairs
209         (B) TYPE: nucleic acid
210         (C) STRANDEDNESS: single
211         (D) TOPOLOGY: linear
213     (ii) MOLECULE TYPE: cDNA
218     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
220 TACAGTGGAT CCATGGTTAA GGTAATCCAT AGGCTTGAC                 39
222 (2) INFORMATION FOR SEQ ID NO: 11:
224     (i) SEQUENCE CHARACTERISTICS:
225         (A) LENGTH: 36 base pairs
226         (B) TYPE: nucleic acid
227         (C) STRANDEDNESS: single
228         (D) TOPOLOGY: linear
230     (ii) MOLECULE TYPE: cDNA
235     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
237 TCTTGAGGAT CCATGGCTTA ATAACCTTCA TTATGC                    36
239 (2) INFORMATION FOR SEQ ID NO: 12:
241     (i) SEQUENCE CHARACTERISTICS:
242         (A) LENGTH: 36 base pairs
243         (B) TYPE: nucleic acid
244         (C) STRANDEDNESS: single
245         (D) TOPOLOGY: linear
247     (ii) MOLECULE TYPE: cDNA
252     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
254 TCTTGAGGAT CCATGGAAAA GTCTTGAAGT TGAATG                    36
256 (2) INFORMATION FOR SEQ ID NO: 13:
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258        (i) SEQUENCE CHARACTERISTICS:
259            (A) LENGTH: 50 base pairs
260            (B) TYPE: nucleic acid
261            (C) STRANDEDNESS: single
262            (D) TOPOLOGY: linear
264       (ii) MOLECULE TYPE: cDNA
269       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
271 AGCTAATCTA GAACCATGGA TGAAAAATTA CCATAAAGAA AACTTCAGAC          50
273 (2) INFORMATION FOR SEQ ID NO: 14:
275        (i) SEQUENCE CHARACTERISTICS:
276            (A) LENGTH: 53 base pairs
277            (B) TYPE: nucleic acid
278            (C) STRANDEDNESS: single
279            (D) TOPOLOGY: linear
281       (ii) MOLECULE TYPE: cDNA
286       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
288 AGCATTGGAT CCATGGTTAG TTACCTAGTT TTCTTTTCAG CACAGTGCAA ACT      53
290 (2) INFORMATION FOR SEQ ID NO: 15:
292        (i) SEQUENCE CHARACTERISTICS:
293            (A) LENGTH: 30 base pairs
294            (B) TYPE: nucleic acid
295            (C) STRANDEDNESS: single
296            (D) TOPOLOGY: linear
298       (ii) MOLECULE TYPE: cDNA
303       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
305 TTGACTCCAT GGCAGGTGAA ACGCTTGACG                                30
307 (2) INFORMATION FOR SEQ ID NO: 16:
309        (i) SEQUENCE CHARACTERISTICS:
310            (A) LENGTH: 33 base pairs
311            (B) TYPE: nucleic acid
312            (C) STRANDEDNESS: single
313            (D) TOPOLOGY: linear
315       (ii) MOLECULE TYPE: cDNA
320       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
322 GTCGTACCAT GGCGAGAATA CTAACGAGTA AAC                            33
324 (2) INFORMATION FOR SEQ ID NO: 17:
326        (i) SEQUENCE CHARACTERISTICS:
327            (A) LENGTH: 44 base pairs
328            (B) TYPE: nucleic acid
329            (C) STRANDEDNESS: single
330            (D) TOPOLOGY: linear
332       (ii) MOLECULE TYPE: cDNA
337       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
339 TGAACATCTA GAACCATGGG TAAAGGAGAA GAACTTTTCA CTGG                44
341 (2) INFORMATION FOR SEQ ID NO: 18:
343        (i) SEQUENCE CHARACTERISTICS:
344            (A) LENGTH: 44 base pairs
345            (B) TYPE: nucleic acid
346            (C) STRANDEDNESS: single
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347   (D) TOPOLOGY: linear
349   (ii) MOLECULE TYPE: cDNA
354   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
356 TGAACAGGAT CCATGGTCTA CGAATGCTAT TATTTGTATA GTTC   44

VERIFICATION SUMMARY   DATE: 11/13/2001
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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]